

Appl. No. 10/613,932  
Amdt. dated February 18, 2005  
Reply to Office action of October 18, 2004

In the Drawings:

Please amend FIG. 16 as indicated on the attached drawing markup sheet. The amendment is to label the figure as 16a and 16b. A replacement sheet is also provided.

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Drawing markup sheet

Strike fig label

Added fig label

~~Figure 16~~

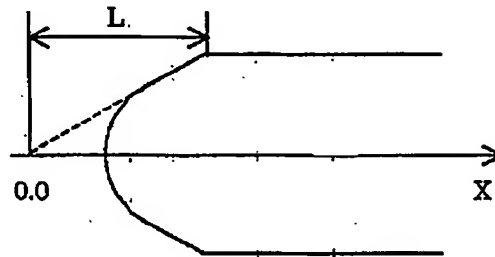
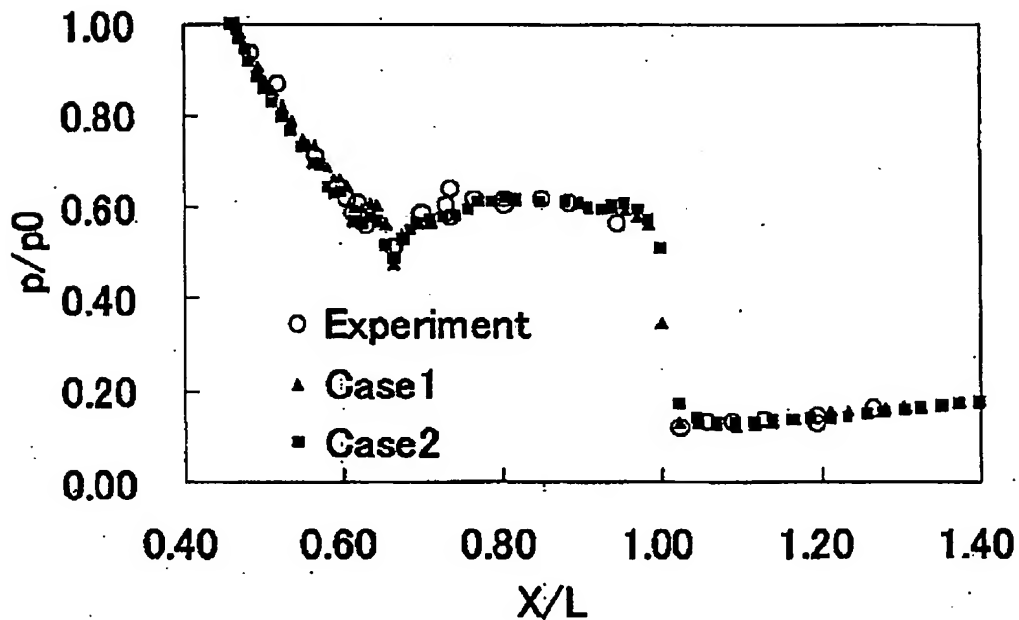


Figure 16a



Pressure distributions on the spherically blunted cone-cylinder

(Comparison between the present and experiment)

Figure 16b

Added fig label

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## REMARKS

Reconsideration is respectfully requested. Claims 1-5 are present in the application. Claims 1 and 4 are amended herein.

The Examiner objects to the drawings, requesting that the portions of FIG. 16 be labeled as FIG. 16a and FIG. 16b.

Proposed drawing amendments are attached here to make this change.

Claims 1-5 are rejected under 35 U.S.C. §101 as allegedly being directed to non-statutory subject matter. The Examiner asserts that the claims do not recited any form of technology.

Applicant respectfully traverses. Claims 1 and 4 are amended herein to clarify that the claims are directed to systems and methods for analyzing of continuum medium. It is respectfully submitted that this clarification removes the grounds of rejection and that the claims are therefore directed to statutory subject matter and are allowable.

New claims 6-13 are added, depending on either claim 1 or claim 4. The new claims add that said continuum medium comprises a fluid (claims 6 and 10), that said data of continuum medium comprises a shock wave data of a fluid (claims 7 and 12) and that said continuum medium comprises a compressible fluid (claims 8 and 11) and that said data of continuum medium comprises a shock wave data of a compressible fluid (claims 9 and 13). These claims are believed to also be allowable.

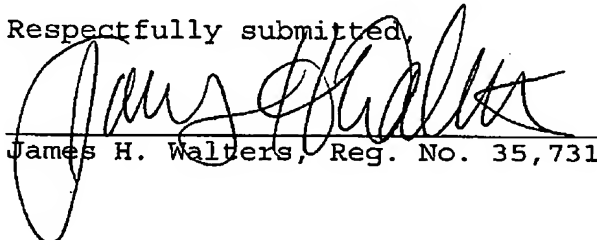
Page 10 — RESPONSE (U.S. Patent Appln. S.N. 10/613,932)  
[\\Files\\Files\\Correspondence\\February 2005\\y218rtoa021805.doc]

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The documents cited but not relied on are believed to not have bearing on the patentability of the claims.

In light of the above noted amendments and remarks, this application is believed in condition for allowance and notice thereof is respectfully solicited. The Examiner is asked to contact applicant's attorney at 503-224-0115 if there are any questions.

Respectfully submitted,



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Certification of Facsimile Transmission

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office on this 18<sup>th</sup> day of February, 2005.

